PI3 Kinase p110 alpha Rabbit mAb

ABclonal

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Catalog No.: A22730 Recombinant 3 Publications

Basic Information

Observed MW

110kDa//110kDa

Calculated MW

124kDa

Category

Primary antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC58257

Background

Phosphatidylinositol 3-kinase is composed of an 85 kDa regulatory subunit and a 110 kDa catalytic subunit. The protein encoded by this gene represents the catalytic subunit, which uses ATP to phosphorylate PtdIns, PtdIns4P and PtdIns(4,5)P2. This gene has been found to be oncogenic and has been implicated in cervical cancers. A pseudogene of this gene has been defined on chromosome 22.

Recommended Dilutions

WB 1:2500 - 1:5000

0.5μg-4μg antibody for IΡ 200µg-400µg extracts of

whole cells

ELISA Recommended starting

concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID Swiss Prot 5290 P42336

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

MCM; CCM4; CWS5; MCAP; PI3K; CLAPO; CLOVE; MCMTC; PI3K-alpha; p110-alpha; PI3 Kinase p110 alpha

Contact

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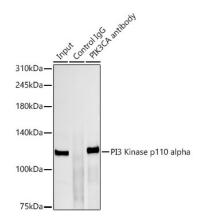
Product Information

Purification Source Isotype Rabbit IgG Affinity purification

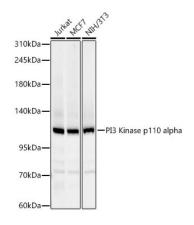
Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.



Immunoprecipitation analysis of 300 μ g extracts of Jurkat cells using 3 μ g PI3 Kinase p110 alpha antibody (A22730). Western blot was performed from the immunoprecipitate using PI3 Kinase p110 alpha antibody (A22730) at a dilution of 1:80000.



Western blot analysis of various lysates using PI3 Kinase p110 alpha Rabbit mAb (A22730) at 1:5000 dilution.

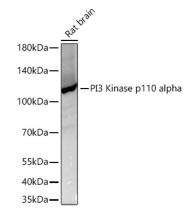
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates / proteins: 25 µg per lane.

Blocking buffer: 3 % nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



Western blot analysis of lysates from Rat brain using PI3 Kinase p110 alpha Rabbit mAb (A22730) at 1:3000 dilution incubated overnight at 4° C.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 45s.